

We Claim:

- 1     1.     A method in a computing system for managing enterprise data, the  
2             method comprising:  
3             extracting enterprise information in a first form that is associated with a  
4                   first source computerized system;  
5             converting the enterprise information in the first form into corresponding  
6                   information that is in a second intermediate form; and  
7             converting the enterprise information in the second intermediate form  
8                   into a target form that corresponds to a target computerized  
9                   system, wherein the second intermediate form includes a plurality  
10                  of custom data type elements that are adapted for capturing  
11                  customer information and that can be referenced by other data  
12                  structures in the second intermediate form.
- 1     2.     The method of Claim 1, further comprising:  
2             extracting enterprise information in a third form that is associated with a  
3                   second source computerized system that is distinct from the first  
4                   source computerized system;  
5             converting the enterprise information in the third form into enterprise  
6                   information that is in the second intermediate form; and  
7             converting the enterprise information in the second intermediate form  
8                   into the target form.
- 1     3.     The method of Claim 1, wherein the customer information includes  
2             information that defines specific aspects of the customer's business.

1     4.     The method of Claim 1, wherein the custom data type elements include  
2           one or more elements comprising:  
3           an address custom data type element;  
4           an auto deal custom data type element;  
5           an auto policy custom data type element;  
6           an auto sales history custom data type element;  
7           an auto service history custom data type element;  
8           an auto service job custom data type element;  
9           an auto service repair order custom data type element;  
10          a balance statement custom data type element;  
11          a billing profile custom data type element;  
12          a bill of material component custom data type element;  
13          a bill of material custom data type element;  
14          a business unit custom data type element.

1     5.     The method of Claim 1, wherein the custom data type elements include  
2           one or more elements comprising:  
3           a claim custom data type element;  
4           a claim payment custom data type element;  
5           a class attribute custom data type element;  
6           a class attribute value custom data type element;  
7           a class custom data custom data type element;  
8           a contact-of custom data type element;  
9           a contract custom data type element;  
10          a cost list custom data type element; and

11 a cost list line custom data type element.

1 6. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 a credit bureau report custom data type element;  
4 a customer-of custom data type element;  
5 an employee-of custom data type element;  
6 an expense custom data type element;  
7 an expense line custom data type element;  
8 a financial account custom data type element;  
9 a financial applicant custom data type element;  
10 a financial application account custom data type element;  
11 a financial application collateral custom data type element;  
12 a financial application custom data type element;  
13 a financial application funding source custom data type element; and  
14 a financial statement custom data type element.

1 7. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 a forecast custom data type element;  
4 a forecast line detail custom data type element;  
5 a product catalog custom data type element;  
6 a product catalog line item custom data type element;  
7 a product custom data type element;  
8 a product inventory location custom data type element;  
9 a product line custom data type element;

10 a product price custom data type element;  
11 an installed product custom data type element;  
12 a price list custom data type element; and  
13 a price list line custom data type element.

1 8. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 a purchase order custom data type element;  
4 a purchase order line item custom data type element;  
5 a vehicle anti theft device custom data type element;  
6 a vehicle custom data type element;  
7 a vehicle option custom data type element;  
8 a person custom data type element;  
9 a policy custom data type element;  
10 a position custom data type element;  
11 a related-to custom data type element;  
12 a represented-by custom data type element;  
13 a security custom data type element;  
14 a service request custom data type element; and  
15 a set of books custom data type element.

1 9. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 an order custom data type element;  
4 an order line custom data type element;  
5 an order type custom data type element;

6 an organization custom data type element;  
7 a party authentication custom data type element;  
8 a party custom data type element;  
9 a payment custom data type element;  
10 a payment line custom data type element;  
11 a payment method custom data type element;  
12 a payment term custom data type element; and  
13 a payment type custom data type element.

1 10. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 an opportunity custom data type element;  
4 an opportunity notes custom data type element;  
5 an opportunity revenue item custom data type element;  
6 an invoice custom data type element;  
7 an invoice line custom data type element;  
8 an invoice plan custom data type element;  
9 an invoice type custom data type element;  
10 a life policy custom data type element; and  
11 a list of relationship custom data type element.

1 11. The method of Claim 1, wherein the custom data type elements include  
2 one or more elements comprising:  
3 an inventory balance custom data type element;  
4 an inventory balance list of balance balance custom data type element;  
5 an inventory transaction custom data type element;

6 an inventory location custom data type element;  
7 a functional area custom data type element;  
8 a holding custom data type element; and  
9 a household custom data type element.

1 12. A computer-readable medium carrying one or more sequences of  
2 instructions for managing enterprise data, wherein execution of the one  
3 or more sequences of instructions by one or more processors causes the  
4 one or more processors to perform:  
5 extracting enterprise information in a first form that is associated with a  
6 first source computerized system;  
7 converting the enterprise information in the first form into corresponding  
8 information that is in a second intermediate form; and  
9 converting the enterprise information in the second intermediate form  
10 into a target form that corresponds to a target computerized  
11 system, wherein the second intermediate form includes a plurality  
12 of custom data type elements that are adapted for capturing  
13 customer information and that can be referenced by other data  
14 structures in the second intermediate form.

1 13. A data schema for managing enterprise data, the data schema including  
2 custom data type elements comprising:  
3 an address custom data type element;  
4 an auto deal custom data type element;  
5 an auto policy custom data type element;  
6 an auto sales history custom data type element;

7 an auto service history custom data type element;  
8 an auto service job custom data type element;  
9 an auto service repair order custom data type element;  
10 a balance statement custom data type element;  
11 a billing profile custom data type element;  
12 a bill of material component custom data type element;  
13 a bill of material custom data type element;  
14 a business unit custom data type element

1 14. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:  
3 a claim custom data type element;  
4 a claim payment custom data type element;  
5 a class attribute custom data type element;  
6 a class attribute value custom data type element;  
7 a class custom data custom data type element;  
8 a contact-of custom data type element;  
9 a contract custom data type element;  
10 a cost list custom data type element; and  
11 a cost list line custom data type element.

1 15. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:  
3 a credit bureau report custom data type element;  
4 a customer-of custom data type element;  
5 an employee-of custom data type element;

6 an expense custom data type element;  
7 an expense line custom data type element;  
8 a financial account custom data type element;  
9 a financial applicant custom data type element;  
10 a financial application account custom data type element;  
11 a financial application collateral custom data type element;  
12 a financial application custom data type element;  
13 a financial application funding source custom data type element; and  
14 a financial statement custom data type element.

1 16. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:

3 a forecast custom data type element;  
4 a forecast line detail custom data type element;  
5 a product catalog custom data type element;  
6 a product catalog line item custom data type element;  
7 a product custom data type element;  
8 a product inventory location custom data type element;  
9 a product line custom data type element;  
10 a product price custom data type element;  
11 an installed product custom data type element;  
12 a price list custom data type element; and  
13 a price list line custom data type element.

1 17. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:



3 a purchase order custom data type element;  
4 a purchase order line item custom data type element;  
5 a vehicle anti theft device custom data type element;  
6 a vehicle custom data type element;  
7 a vehicle option custom data type element;  
8 a person custom data type element;  
9 a policy custom data type element;  
10 a position custom data type element;  
11 a related-to custom data type element;  
12 a represented-by custom data type element;  
13 a security custom data type element;  
14 a service request custom data type element; and  
15 a set of books custom data type element.

1 18. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:  
3 an order custom data type element;  
4 an order line custom data type element;  
5 an order type custom data type element;  
6 an organization custom data type element;  
7 a party authentication custom data type element;  
8 a party custom data type element;  
9 a payment custom data type element;  
10 a payment line custom data type element;  
11 a payment method custom data type element;

12 a payment term custom data type element; and  
13 a payment type custom data type element.

1 19. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:  
3 an opportunity custom data type element;  
4 an opportunity notes custom data type element;  
5 an opportunity revenue item custom data type element;  
6 an invoice custom data type element;  
7 an invoice line custom data type element;  
8 an invoice plan custom data type element;  
9 an invoice type custom data type element;  
10 a life policy custom data type element; and  
11 a list of relationship custom data type element.

1 20. The data schema of Claim 13, wherein the custom data type elements  
2 further comprises:  
3 an inventory balance custom data type element;  
4 an inventory balance list of balance balance custom data type element;  
5 an inventory transaction custom data type element;  
6 an inventory location custom data type element;  
7 a functional area custom data type element;  
8 a holding custom data type element; and  
9 a household custom data type element.